

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY

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FIELD DIARY

Mr. E. A. Goldman

(Official title.)

Period, Oct. 12 to Nov. 27, 1926

Nevada-Washington-California
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Billy Everett
Olympic Hot Spgs,
Elberta, Wash.

134-5 Cent Ave

Oct. 12, 1926.

Left Kanab, Utah 5 a.m.; arrived
Salt Lake City 4.25 P.M., went to
Survey office in Salt Lake and saw
Geo. E. Holman, Game Warden
animal control for Utah.

Oct.

Manpoo, Utah 4.30 P.M. by
stage.

Oct. 13, 1926., Manpoo
to Salt Lake City, Utah.

Left Manpoo 8.30 a.m. and
arrived Salt Lake City, Utah, 4.25
P.M. Went to office of Survey
in Salt Lake City and saw
Geo. E. Holman. Left Salt Lake
City 10.30 P.M.

Oct. 14. Arrived Goshute
Nev. where I was met by
E. R. Saas at 1:35 P.M. and about
3:15 we left for the Black Rock
District country about 150 miles
to the northwest and not
far from the northwestern
corner of the state - ~~stopped~~
~~at~~ ~~the~~ stopped for the night
near Leadville.

Oct. 15. Continued trip
~~today~~ and arrived about
1 P.M. at Last Chance ranch
owned by Hapgood Bros.
located about 10 miles south of
Arizon and about 25 east of
California line. Spent afternoon
in looking over ground where
plans were made to locate

Oct. 15 con.

movie pictures of antelope tomorrow. We located a suitable blind near a point frequently visited by antelope to water at a small spring.

Geese. A number of flocks of 12 to 15 birds seen and they are quite tame as the area is on the State Game Preserve.

Antelope. Two small bunches 4 and 7 respectively were seen.

Game Refuge. Known as Washoe State Game Refuge, No. 9.

Oct. 16 (Sat), Fort
Lance Ranch, Washoe Co., Nev.

Antelope. Had a great day watching and photographing bunches of antelope. From our blind

Oct. 16 con.

we watched bunches of antelope
varying from one or two to
fifteen came to the water
that ran along the wash
below the Middle Spring port
over. They appeared first
always at a wash even a
ridge about 600 yards away.
This place was a celebrated
place at times, then they
might stop and look back
and then they would
advance and look back
again. They
didn't seem to be
they look for a few seconds
and then we were well
seen to go off them. Some of the
goe about. Sometimes they

Oct 16 con.

Greenie startled at something
and would make a jump on
top, the white-rump patch
becoming fluffier in appearance.
As I stood with the
camera they looked up and
eyed the camera and parts
of my head and shoulders that
were ~~in view~~ by upward
but never as if seemed to
become really alarmed and
as I did ^{not} move suddenly
seemed to accept me as
part of the landscape. A
bunch of 17 had arrived at
the mountain ~~at~~ out of our
view ~~about~~ just before we
did, about 7:30 AM and could
not of course be photographed.

5

Oct. 16 con.

Those that left the water walked off and began feeding ~~when~~ four or five hundred yards away. Antelope were in sight almost continuously until about 3.30 P.M. when a bunch that had been lying down on top of a ridge overlooking the water, finally rose and walked over out of sight.

Oct. 17 (Sun.), Fort Laramie Ranch, Washoe Co. Nev.

Another wonderful day with the antelope. Had some trouble with camera, but at least two rolls of film should be fine. But no large bunches came in. They trail down to the water

Oct. 17 con.

usually string out for a quarter
of a mile or more, but groups
of 4 to 6 or so may come in
at a time. They are watchful
and swim wary, but came up
today to within 30 or 40 yds.
of my blind and although I
upposed myself in order to
to use the telephoto lens to
better advantage, showing my
head, arms and shoulders they
showed little fear as long
as the wind was favorable.
Small groups of aullops at the
water stood and eyed me
curiously, but none ever broke
away in alarm. Aullops that
seemed to get our wind,
however, ran away with the

Oct. 17 con.
white rump patches puffed
up, although they had not
seen us.

Oct. 18 (Mon.) Last
Chance Ranch, Washoe Co., Nev.

I had hoped to get more
film today, especially of
antelope coming to the water
and when moving away in
alarm, but a heavy rain
last night stopped our
operations.

Sans and I revisited the
blind and took motion and
still pictures of it and motion
pictures of the country and
then started for Gerlach where
we arrived late in the
evening. Roads were slippery

Oct. 18 con.
and the water deep in places
on the alkali flats, but about
100 miles south of Fort Chase
Ranch we ran out of the
rain belt and found no
rain at all had fallen
at Gurlach.

Nov.
Oct. 19 (Tue.) Gurlach,
en route to Sacramento, Calif.
Saw left by auto in the
morning for Reno and I took
the train at 1:35 PM. for
Sacramento where I arrived
at 2:09 AM. Oct. 20

Went on annual leave at
4:30 PM, but did not leave
Sacto.

Oct. 21 to Nov. 1

On annual leave.

Nov. 2, Sacto, Calif.

Resumed official duty at Sacto, Calif. at 9 A.M. Attended to routine matters in preparation for leaving tomorrow.

Nov. 3-4, En route Sacto, Calif. to Seattle, Wash.

Left Sacto. 10 A.M. Nov. 3 after a short conference with Mr. Poole and Mr. Jacobson, the latter in charge of rodent control work for the State. Train stopped an hour at Portland affording an opportunity to have a talk with R.C. Steele, U.S. Game Warden. Arrived Seattle about 10 P.M.

Nov. 3-4 con.

Malheur Lake, Steels tells me
a dam at lower end would
have turned back considerable
water, he thinks, that was off
prior to June 1st. An inexpensive
dam would have sufficed,
Water now not more than
about 18 inches deep and
covers a very small area.
It seems doubtful to me whether
artesian wells would do much
good as evaporation rate about
6 ft. annually according to
Steels would prevent the
accumulation of much permanent
water, Steels says water not
very alkaline and death of
ducks seems to be due to some
cholera-like infection. Cattle may
do considerable damage to
native birds.

Nov. 3-4 con.

Columbia River Bird Res., Steele
points out difficulty of
patrolling and suggests that
Exp. Order be changed to take
in section of river from high
water mark on each side.

Rocky Ids. along coast.
In re suggested reservation
along coast Steele says a
movement on foot to introduce
bill in Congress to amend
to state, Bill featured by State
Highway Commission, Steele
will get information from
some one he knows who is
well informed and submit
to office.

Nov. 3-4 con.

Town Klawith Lake, Plan on foot to restore water. Res. unmarked, but owing to fluctuations of shoreline and present uncertainty not very practicable to work.

Nov. 5, Seattle.

Conference with S. F. Raeburn, State Supervisor of Game and Fish. Arranged to meet again tomorrow.

Nov. 6,

F. W. Mathias, Member of Grey's Harbor Co. Comm.
Sec. Hogshead Chamber of Commerce.

H. L. Plumb, Sup. Olympic Nat. Forest, Olympia.

See in Tacoma at Winthrop
Hotel at noon, Monday.

Go to Port Angeles and up Elwha
and by auto from there to Forks
or down to Mora and down road
as far as possible.

Go to Hogueville first.

Met F. W. Matthews and spent
most of day with him and
his wife and arranged to
meet him Sunday in Tacoma.

1st, 7, tickets, check.

Went to bank and account

Met, 8, Seattle to Hogueville

Left Seattle 10:30 am and
arrived Tacoma 11:40 am. Met
Matthews, H. G. Plumb and others
and went with them to Hogueville

Nov. 9. Guel Hogeween, Wash.
M.H. Mulkey, P.M. at
Summit, well-informed in
regard to elk. Had lunch with
him and received considerable
information.

Out in afternoon with Whittier
on to lands of Potomac Logging
Co. which gave good idea of
logged off lands. Returned to
camp after visit to
Camp of East where I met
Mr. [unclear] and Mr.
[unclear].

Logged over areas These consist
of perhaps 3 townships north
of Hogeween on which elk
have ranged for many years.
These consist of 2 types; the type
is logged land that never
burned over and on which the

Nov. 9 con.

is abundant reproduction, this is not now very readily burned. The other type is hard burned over in some cases several times. Nearly all reproduction is killed and as it is green up to December it is very inflammable.

~~Both~~ These bands of elk, one of about 145, one of about 114 and one of about 45 are said to spend both winter and summer mainly in the logged over lands. There is said to be some poaching and they do not increase much. There is however believed to be an increase this year.

The Polaris Logging Co is in favor

Nov. 9 con.

of the elk and for some time
you had no reward for the
conviction of anyone caught
killing elk. Robert Polson
was seen and he expressed
an inclination to favor setting
aside a couple of townships
of timber land as a game
preserve.

~~Game~~. And for elk is
considerably abundant in cut
over lands.

Nov. 10 (Wed), Hoguicium
to Quinault and on up North
Fork of Quinault to Shelter
camp about 19 miles about
Lake Quinault.

Wonderful trip up along valley
through humid forest, heavily

Nov. 18 con.

laden with snow (pendant) and
l. of snow. The ground everywhere
with snow and grass.

Ell. Saw many harts and
came on a bunch of about
30 cows and calves feeding
in the timber. Ell. believed the
30 cows of here.

Trig made with R. E. Vachier
and David Penzer, J. W. Fulton.

Forage. Signs of elk browsing
noted in many places in
the timber. In many places
at least 2 kinds of
huckleberry, willow and maple,
also elderberry.

Nov. 11 (Thurs) Shelter camp
on north for Duinault to Kootz
Lake and return.

Nov. 11 con,
Left camp about 9 AM, and
rode slowly up rough trail,
ascending to 3500 or 4000 ft.
at Kurtz Lake. Returned in
afternoon to same camp. Trail
led up ^{above} the valley - the main
trail being the one leading
across the Olympics from
the Inman valley to Port
Angelo about 125 miles from
Hogman. Then we turned
up ~~the~~ to the west and
climbed the steep mountain
to Kurtz Lake near the top of
the divide between the Puget
and Inman.

The trail led through the
heavy forest to near Kurtz
Lake where it emerges in

Nov. 11 am.

some small, high ~~hills~~
valleys containing ~~forest~~ the
bottoms sometimes small lakes.
Here the country is much open.
The Douglas fir is left below
~~and~~ and is replaced by other
firs and spruces. There are
open fields covered with
heather and grass and patches
of huckleberry. Of several
species. These little mountain
ridges are traversed by
small streams that drop down
into the rather steep-sided
canyons.

Bentley Lake, Really a pond
covering perhaps ten or twelve
3 or 4 acres of land.

Deer, Signs were seen at

Nov. 11 am
intervals along the way -
drifting ice & snow and
and forest & ground evidently
by them. The surface is
covered by buckling and
expanding at the higher elevations.
Several hundred head of elk are
seen by Washburn and Fulton to
be in the general vicinity
of Kurtz Lake. Apparently at
this season all have de-
veloped to brown coloration.

Forage at the higher elevations
the elk near Kurtz Lake are
said to feed largely on grass
which grows fairly abundantly.

Elk. Tracks on elk along
Summit are thought by people
to be negligible, but said by

Nov. 11 am
some to be more abundant
along Elbow where the
rainfall is not so heavy.
Frank Humes a packer living
about 10 miles up Elbow is
said to believe that ticks have
killed about 75% of the elk
along the Elbow within
a year. Humes address is
said to be Elbow.

Chris Margenroth, Forest
Warden at Park Springs should
know about ticks.

Reports, said to be numerous
in cut over lands north of
Hogman.

Walrus, a few said to be left.
But not so many as formerly.

Nov. 12^(Fri) Shelter Camp.
to Summit.

Left Shelter Camp about 9 A.M.
and arrived Summit 5 P.M.

Rained steadily all day.

Elk. Saw a group of about
7 including several calves in
the forest not far from where
the elk were seen day before
yesterday. Tracks were seen
at various points, and it is
remarkable how they climb
into very rough places on steep
slopes and among fallen logs
to feed on salmon berry, ~~and~~
huckleberry and other plants.
The elk were also feeding on
certain green herbaceous plants
on the forest floor.

Deer. A buck with neck swelled
swelled following a doe. Seen at

Nov. 12 con

same time as elk and practically
among them. The doe eyed up
curiously and came ^{nearer reaching a point} to within
40 yds of us when she ~~seem~~
perhaps got our scent and
turning abruptly ~~then~~ moved rather
rapidly off. But ~~was~~ not in
very great alarm, the buck
continuing to follow her.

(Sat.).

Nov. 13, Dumnant to
Hoguenam.

Spent the morning in the
woods taking photographs near
Dumnant and in afternoon took
stage at 1 PM for Hoguenam
arriving 3:15 PM!

Nov. 14 (Sun) Bogwain
to Seattle, Wash.

Took train at 9.35 A.M. and
reached Seattle 2.50 P.M.

Nov. 15 (Mon) Seattle
Elk. Introduced ^{about} in 1913 from
Yellowstone Park introduced
w. North for Snoqualmie
River - 43 or 53 brought in -
about 7 on an island ~~in~~ near
river of Snoqualmie. Island
of 67 a. set to produce
plenty of feed for elk. The
elk were troublesome to
farmers, and some were killed
so it is doubtful whether
they have increased.
William Dunstan authority for
above. State Hatching Sept. 88
Game Fish - 25

Nov. 15.

Port Angelis Trip.

J. E. L. James for information
at Mora, Wash.

Go up valley of Celaba to
Grant Harris place.

Go from Mora out to
Bird Point which includes rocks
along coast. At low tide some
can be reached.

See Alex. the Great near
Mora, said to have some
information.

Chas. R. Pollock, Supervisor
of Fisheries, U. S. Fisheries Office
in Seattle.

Mr. Pollock says Inuitayuth
and Koh. Indians used to
poach some on deer.

Morris Fisher to meet me

Nov. 15,
at Port Angeles, He is Vice
Pres. of 1st Nat. Bank, or inquires
for his real estate office.

Riad Res.,
Ferguson Spit,
Edsiz Hook, near Port Angeles.
Snillayute Meadows.

~~In~~ Olympia go to Olympians
Hotel to meet H. F. Plumb who
will call up.

Nov. 16 (Tue), Seattle to
Olympia. Saw Rachtman again in
morning. Left Seattle 4:15 P.M.;
arrived Olympia, 7:15 P.M.

Nov. 17 (Wed.), Olympia, Wash,
to Forks, Wash,

Left Olympia 9 A.M. with
Forest Supervisor, H. L. Plumb by
auto and travelled via Olympic
highway north along Hood's
Caval and then west through
Port Angeles to Forks where
we stopped for the night.

Route today was through
forest practically all the
way, small so-called prairies
but, traversed near Port
Angeles, and at Forks. On these
prairies agriculture does not
appear to succeed very well,
and when the land is broken up
and abandoned Douglas fir and
other conifers get a foothold.

Passed beautiful Lake Crescent
about dark.

Nov. 18 (Thurs), Forks to
Mora and back to Port Angeles,

Smilax & Bul. Pis.

Rocks from S to North,

James Island,

Cake Rock

Dr. Williams Island

Carroll Id. off Cape Johnson

Seals Rocks in distance

beyond.

J. C. L. James, ~~Mora~~ James
Park, Mora, Wash.

Left Forks 8 A.M. and went
to the end of the highway at the
bridge across the Bogachiel
Riv. returned past Forks and
took the road out to the coast

Nov. 18 con,
~~at~~ near Mora at the mouth
of the Snellayute River. There
we met an old timer Mr. J. E. L.
James who went with us to
rocks known as James Island
near Mora. Mr. James ^{is} well-
informed, ~~and~~ has been in the
country about 10 years. He
showed me ^{where} ~~how~~ the Snellayute
River in the winter of 1916
changed its course and instead
of entering the sea north of
James Island now enters
it just south of the group
collectively known as James Is.
Of these there are 4 steep
rocks thinly covered with
spruce timber. These rise
about 150 ft. above the water.
A sand spit reaches across

Nov. 18 con.
giving access on foot to the
northernmost of the group
~~when the sea is not~~
during ordinary weather.
The sea washes across the
spit when running very high,
leaving drift logs distributed
over the top in tangled
disorder. On one of the islands
a few gulls and cormorants
were seen. Some of the gulls
appeared to be the Glaucous-
winged.

Coke Rock, farther out to
sea than Smith Island stands
Coke Rock said by James to be in
the Bird Rev. Like Smith Ids. it
is flat on top and rises about
150 ft. from the water. A short

Nov. 18 con.

distance farther north in turn
are Devils Island and Carroll
Island and still farther two
groups known as the Seal
Rocks said to be frequented
still by sea lions. These
islands evidently represent
parts of an ancient coastal
plain about 150 ft. high.

Also met a Mr. Alexander
the magician, known as
Alexander the Great, whose
work as an entertainer was
similar to that of Houdini.

Alexander has retired and is
building a country home ~~near~~
directly facing the sand spit
projecting out to James Id.
~~at~~

Oct. 18 con.

Elk, Both Mr. James and Mr. Alexander informed me that elk remain winter and summer near the coast in the vicinity of the mouth of the Quillayute River. Mr. Alexander said several days ago I came within 400 yards of his house, and that during the summer he saw about 100 along Jackson creek a few miles south of the Quillayute River mouth.

Blow down, Much timber blown down by the great storm was seen over a large area traversed by the road today. The tops of many trees left standing were broken off and the tangled mass of fallen

Oct. 18 con.

Fire will remain almost impenetrable for elk and even man for many years.

Soleduc Burn, We passed through the Soleduc Burn area near Lake Crescent. This has burned several times and over much of it there is no reproduction, the ground being covered by a dense growth of bracken, very inflammable during dry periods. Some planting has been done on parts of the area. Many dead hunks are evidence of the former splendid forest covering the area. Mr. Phinney tells me that excellent photos have been taken of this burned area and also of the "blow down"

Oct. 19 Port Angeles, Wash.
Trip to Duwamish Bird Res. & return in
afternoon with Mr. Clement.

Merganser sculp;

Elk about 9000

Have been increasing during past
years - not 2000-2500 when
law closed 1905.

Some poaching & poaching animal
effort, but lack of greater number
due to lack of winter feed.

Winter range for 10000.

Dosewallips & Duwamish until recently
very few, now increased to good sized
flocks.

about 1000 on Elvash lower down
below Hum's.

Ticks worse on Elvash owing to
drier climate.

Nov. 1900

~~Bill~~ Morgan says:

Too many elk on Hoh
and Uluah but an increase
could be fed elsewhere.

Georgians feed a good way colors.

A cougar near Jackson killed
2 colors in one day.

Deer elk (Stam 2). But Jackson RR
to Olympia RR in spring of 1920
killed 17 out of trail in distance
of 10 miles, many cows and
yearlings (colors). Observations 1923.

Goats. Intro 2 bellies and
two horns - one belly went
out west into Solitude Run. Six
have been seen this fall on
Flower King Ridge, Brought from Canby,
Blowdown, S. forested elk.

Elk 9,000 from farms and destruction
into oil the crops.

Nov. 19 con. Merganser camp.
Poaching. A good deal on
beets and 1/2 up tulips

about 1/2 of the good time to get in
to see the ~~beets~~ ~~beets~~

Poaching mostly on wilder and
does not kill many young
of

Tringa, Quercus on both
both and beets, but most noticeable
on both among the character of vegetation
growing - more of it being
palatable.

Selal, a reservation diet.

Conditions in 1906. Elk reduced
to about 2000 through killing by many
predating animals caribou and wolves
now largely reduced through bounty
system - bounty now \$20 on caribou
and 15 on wolves. In 1910 he stands
at 4000 increased to 2000 to 3500. Now
wolves probably do not exceed 10 but

Nov. 19 con.

Margamoth says:

negoties are working in more
open not over ones.

Under the large forest, woods,
will be in the forest. But
the forest, all around the forest
west side, the forest, but in
west side, the forest, but in
will be in the forest, but in
will be in the forest, but in
will be in the forest, but in

W. C. Hubbard, Dungeness Co.,
says: small stream
which 1889. 2. should be
left to the forest, but in
the says could be given - he
offered to do it for \$500.

Has been putting up signs
around the stream, and the
signs, that the forest, but in
will be in the forest, but in

Nov. 19 con. W.E. Huber (copy)
Penhills.

He is aw until then (this is
when I am at work, he is). They
are in until middle of Apr. - Oct.
Some coming in winter.

At Punguot saw Mr. W.E. Hubbard, who is
in the line of taking care of duck water. He
lives on a plot in good location to prevent
violations of Reservation.

Nov. 20, Port Angeles to Seattle

A. Beyer

Box 577 - Light House Sta.

Port Angeles, Wash., copy:

Sent him some signs to
put up.

Destruction Island. About 5
years ago thousands of birds
killed against light during
fall migration.

Snowy owls. Sometimes appear
hunting very severe winter

Nov. 30.
Mr. A. B. Ryan says:
just not in 1897 according to
Fogelhorn man.

Ediz Hook Rd. Sandy spit
about a mile and $\frac{1}{4}$ mile in
place. Heavily overgrown
most of it.

See him. A good man
on Destruction Id.

Destruction Id. about 36 acres
nearly flat but rising to about
64 ft. where the light is
located. Solanum berry and
other bushes grow.

Morganroth says from Biggish

Hok -	4000
Chuka	1000
Dawson	150
Dunroth	1500-2000
Soleine	100
Bogachil	700
	<hr/> 7750

40

Nor. 20 con.	
Marion's trip of elk, con.	1000
Quits	
Dreadnought	50-
Rosewall's	75
Suopomist	150
Thompson's	258
arrived Seattle 11 PM. had	
left Port Angeles 5 PM.	
— Nov. 21, Seattle to Puget Sound	625
conference with Raitanen in PM.	
160 camp of Raitanen.	
to 1000 ft. in Puget Sound	1800
to 1000 ft. in Puget Sound	1000
to 1000 ft. in Puget Sound	140-150.
to 1000 ft. in Puget Sound	83
to 1000 ft. in Puget Sound	81
to 1000 ft. in Puget Sound	120

State auditor = pays for this
 the trip of Raitanen, available.

~~Raitanen's~~

Nov 21 con.

Elk rangers, R. K. - would look
with favor on a plan to kill elk
on Hoh & Blitha watersheds by slot
game warden, the trophies and
meat to be sold and money made
available for a limited warden
service. This to be followed by an
as an alternative the opening for
say 5 days of a season in elk @
\$10.00 per license.

Left Seattle 4:15 AM;
arrived Puget Sound 5:15 AM
Met Mr. Schaffer.

~~He is~~

Built work. He finds that
meadow mice (*Microtus agervus*)
is most destructive - in
lower lands (township) is
destructive. Also white footed

Nov. 21 con.

is in mole runs. Most damage
is to tulips and crocus, etc.
Narcissus and gladiolus appear
to be ~~unaffected~~ and are
not much damaged.

Gabira ground squirrel. } water
Tounded " " }

soot. Will complete work
~~on the ground on them~~
next autumn. ~~to~~

Mole running way. This will
be finished about ~~Jan 1~~
the end of the fiscal year,
in fact, will have the
ground after end of
fiscal year.

Seals.

Ditch bank protection from running
animals. proposed - 43

Although the weather was
foggy - we saw Phalaropus
- perched in combs
with altered to the sky.

For us Yak Shan Valley just
- Ditch pink plains
to come around old city.

Geo. Tripun, Pres. Ontario Argus
Must get from Yak Shan Valley
office in Ontario, Dr.
Must get for - Yak Shan

Antelope to photo in Dr. Go in
from Lake View to Hart Mt.
near is Dunt Lake. Jewett
says natural blip about 60 ft
from small spring. 44



Duck on off, page mentioned at Griffith's blue-bellied ~~black~~ print picture. Seen while on trip with Geo. Tonkin to place in Sacto. Valley not far from Valley. This is out of sequence.

Nov. 22, Payallup to Portland.
Left Payallup 10 AM arrived
Portland 3:30 PM. Left Portland
9 PM.

Saw Mr. Jewell at Portland
and discussed general game
conditions with him until train
time.

Nov. 23, ~~Portland~~ En route
Portland to Berkeley. Weather
stormy - rain falling at intervals.

Nov. 24, Berkeley, Calif.
Arrived Berkeley 6.35 A.M. Went
across to S.F. and spent most of
day with E. R. Kauffman, editor of
the Pacific Sportsman and Mr.
Greene, Executive Secretary of
the Calif. Game Commission.

We discussed game matters
at length. Mr. Kauffman seems to
be in favor of the present duck
bag limit, and says the size of
the bag is immaterial when so
few ducks can be shot anyway.
Mr. Greene is much interested in
the question of how many fur-
bearing animals may be killed by
our predatory animal hunters and
says the Commission will await
Joseph Dixon's findings before taking
action strictly.

(Thurs)
Nov. 25, Berkeley, Calif.
Thanksgiving. Day spent partly
with Ida and partly with
Geo. Chase and family.

(Fri.)
Joseph Nov. 26, Berkeley, Calif.
Saw Keys and Geo. Perkins in
morning and Grinnell ~~and~~ in
afternoon.

Nov. 27 (Sat), Berkeley, Calif.
Spent day partly with me at
office and partly with Grinnell,
Hall, Linsdale, and had brief talk
with Bryant.

with him
of same and
Howe Fork

1884
Howe Fork.

W. C. Hubbard, Jr., master
of the, Dismal, Wax R.
Howe Fork, N. C.

Microscopic Localities

Howe Fork, N. C.

Lucas Powell Butte
near Pineville, Lerock Co.,

Galbreath's Butte, N. C.
Howe Fork. Draw line due
south about 30 miles
from Wax R.

PENALTY FOR PRIVATE USE
TO AVOID PAYMENT OF
POSTAGE, \$300.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY.

WASHINGTON.

OFFICIAL BUSINESS.

U. S. Department of Agriculture,

Washington, D. C.

Bureau of Biological Survey.

Cell Intelligence the cause
of Evolution
By Quirley M.D.

Fruits of the Tarnish Tree
Wiggins

New Ecologue of Science

Make reservation for
Reception 9 & 10 Dec
cosmos club

26
27
28
30
1

Book 73059.

3

~~J.P.~~ J.P. Curran, Sports
Ed. of S.F. Ex. well posted in
regard to book, above time S.F.
Alvato 319.

Tue, Go out to Polson Logging
Co., lands & return to
Hogwain

Wed. Go with Maclean to
Inman and meet R.E.
Vaarhis and go on horseback
to Shelter camp on Abahit
trail at Nine Mile Post

~~sa~~
Thurs, Go up to high country
near Kew's Lake about 3500 ft.
and ~~perhaps~~ return to Shelter
camp.

Fri, Back to Lake and meet
Mr. M.M. Kelly, or he might
not get in until noon next
day.; ~~see Butler~~

Sat. Meet Mr. Northrup - get
car at Lake. ~~and go out~~
and go out to Raft River
to meet him. He would
come with horse and take
me on trip to Clearwater
River and up to Killea
P.S.

Sun. Trip with S. ~~to~~
Kelley to Harlow Lake. & F
back.

H. G. Buck

Mesa Ariz.
Much interested in game
and wishes to hear from
me later.